

INFOTRONIC SYSTEMS INC.

NEWS RELEASE

AN AFFILIATE OF

GOTHAM AUDIO CORPORATION

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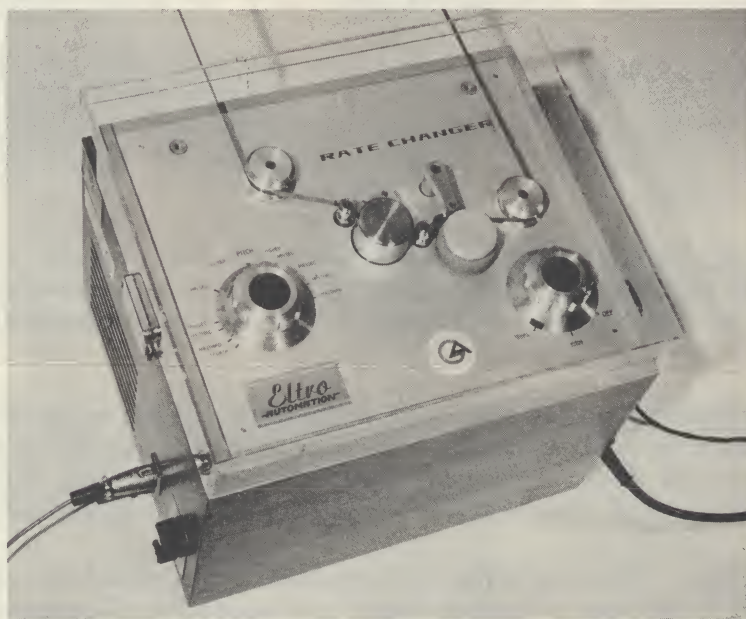


COMPRESSED SPEECH NEWS

Infotronic Systems Inc. announces that at last the Eltro Information Rate Changer Mark II is available for immediate delivery from New York stock.

The Mark II operates on the same basic engineering principles as its predecessor, the MLR-38/15 Tempo Regulator, the invention of the Austrian scientist, Anton Springer. Pitch remains constant over the full compression/expansion range from 53% to 200% of input time.

The device is the only readily available hardware to accomplish this function. In spite of its unique position, the execution of the Mark II permits uncomplicated operation, and the output is of professional quality. Versus all other more expensive and complex methods of developing compressed speech, the Mark II additionally is usable in real time.



If your requirements within the next few months dictate the need for one or more Mark II Information Rate Changers, we recommend that you consider the matter now. This newsletter is the first official notice of availability for immediate delivery. Every effort is being made to assure continuance of ready delivery. However, after the long period devoted to the design project, the many who have been awaiting this announcement to order could affect future delivery ability.

THE ELTRO INFORMATION RATE CHANGER

MARK II

TECHNICAL AND OPERATIONAL IMPROVEMENTS OVER PREVIOUS MODELS

- 1) Rotating Head Construction: A head assembly of totally new design and construction is incorporated in the Mark II unit. Quadrature and azimuth tolerances are held to closer limits. Output level has been increased. Gap width has been reduced to 0.0002" extending frequency response flat to 15 kc. The head assembly is replaceable with a 7-1/2 ips assembly when available. Head does not accumulate oxide rapidly as with previous units.
- 2) Head Contact Assembly: A new type of long life brush assembly of silver alloy contacts at two points on each coin silver ring. Noise has been reduced considerably and the need for lubrication has been obviated.
- 3) Capstan Top Support and Sleeve: The capstan is fitted with a removable sleeve preparing the unit for 7-1/2 ips use when rotating head is available. The capstan is top supported for low whip at 7-1/2 ips.
- 4) Remote Control Operation: Provision is made to start and stop the associated tape machine when the function control is moved to tempo position.
- 5) New Type Capstan Roller: Moving function control automatically brings precision pressure roller into contact with capstan. Function control in pitch position allows rotation of head only for pitch change.
- 6) Integrated Electronics: The Mark II is equipped with an American made transistorized NAB equalized amplifier bringing head output to line level. Output is balanced and floating from a Cannon XLR connector. Gain and tone controls are provided. Previous problems of matching heads to electronics are absent.
- 7) Calibration of Control Knob: Calibration of the control knob of the Mark II is in percentage of original time, not in percentage of increase or decrease of tape travel velocity. Mathematical conversion is no longer necessary.
- 8) Linkage Improvement: The gear train formerly used to drive the rotating head from the field assembly has been dropped in favor of a rubber idler and flywheel. By depressing the control knob the idler can be relieved and quick changes of compression rates can be accomplished.
- 9) New Tape Guides: Two new tape guides have been added to the Mark II in close proximity to the playback head for improved flutter figure; left guide height adjustment for azimuth, right guide eccentric adjustment to change wrap angle.
- 10) Easier Height Adjustment: All idlers and tape guides easily adjusted with Allen wrench supplied.
- 11) A Plastic Dust Cover is furnished which can be installed during operation.
- 12) New Design Top Plate is functional and attractive. Cabinet in walnut.